



(19) Europäisches Patentamt  
European Patent Office  
Office européen des brevets



(11) Publication number: 0 371 738 A3

(12)

## EUROPEAN PATENT APPLICATION

(21) Application number: 89312304.2

(51) Int. Cl. 5: C07C 37/08, C07C 2/86,  
C07C 409/10, C07C 45/53,  
C07C 29/145

(22) Date of filing: 28.11.89

(30) Priority: 28.11.88 JP 300300/88  
30.11.88 JP 302617/88  
26.12.88 JP 328722/88

(43) Date of publication of application:  
06.06.90 Bulletin 90/23

(84) Designated Contracting States:  
AT BE CH DE ES FR GB GR IT LI LU NL SE

(88) Date of deferred publication of the search report:  
30.10.91 Bulletin 91/44

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(54) Preparation of cumene through alkylation of an aromatic compound and preparation of phenol through cumene.

(57) In a first form, a process is provided for preparing phenol by converting acetone by-produced by the cumene process into isopropanol, and alkylating benzene with the isopropanol and optional propylene, thereby forming phenol without acetone by-product. And cumene is prepared by alkylating benzene in the presence of a zeolite catalyst using isopropanol or a mixture of isopropanol and propylene as an alkylating agent. Further provided is the continuous alkylation of benzene with isopropanol wherein a reaction mixture is divided into first and second portions, with the first portion being recycled to the reactor and the second portion being taken out as a reaction product.

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EUROPEAN SEARCH  
REPORT

Application Number

EP 89 31 2304

DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.5)		
E	EP-A-0 361 755 (MITSUI) * The whole document *	1-3,7,10	C 07 C 37/08 C 07 C 2/86 C 07 C 409/10 C 07 C 45/53 C 07 C 29/145		
D,X	US-A-4 011 278 (PLANK et al.) * Claim 1; columns 15-16, example 22 *	1,4,6			
X	US-A-3 631 120 (EBERLY et al.) * Claims 1-5; column 3, lines 49-60; column 6, lines 1-13 *	2-7			
TECHNICAL FIELDS SEARCHED (Int. Cl.5)					
C 07 C 37/00 C 07 C 39/00 C 07 C 2/00 C 07 C 15/00 C 07 C 179/00					
The present search report has been drawn up for all claims					
Place of search	Date of completion of search	Examiner			
The Hague	05 August 91	KLAG M.J.			
CATEGORY OF CITED DOCUMENTS					
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